

**ABSTRACT REPLACEMENT SHEET**

A control circuit for diode based RF circuit (6) comprising at least one analog communicating device (2, 3) having a plurality of digital control lines (A0, A1, A2, En1, B0, B1, B2, En2), a plurality of selectable poles (X0-X15) and at one common pole (Y1, Y2), the digital control lines being connected to a digital data generator (4) and the selectable poles and at least one common pole being connected to the control terminal(s) of the diode(s) of the RF circuit through a network of resistors (7-21) of differing values and a potential divider (22) and a power supply or voltage source (25) or a network of potential dividers of differing outputs and a power supply or voltage source, the analog communicating device establishing an internal coupling between the common pole and one of the selectable poles depending upon the digital value generated by the digital data generator and appearing at the digital control.

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**DRAWINGS REPLACEMENT SHEET**